Product Information Sheet for NR-51142

Monoclonal Anti-Wolbachia Surface Protein (Immunoglobulin G, Mouse)

Catalog No. NR-51142
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For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Antibody Class: IgG2a
Mouse monoclonal antibody recognizing the Wolbachia surface protein (WSP) wBm0432 (GenPept: WP_011256630) was purified from mouse ascites fluid by protein G affinity chromatography. Ascites formation was induced in BALB/c mice using cultured hybridoma cells. Wolbachia are rickettsia-like endosymbionts found in filarial nematodes, including the etiologic agents of lymphatic filariasis and river blindness.¹ Wolbachia are obligate symbionts in these hosts, required by the nematode for reproduction, development and long-term survival.² These bacteria are of interest as chemotherapeutic targets and disease-causing organisms.

Material Provided:
Each vial of NR-51142 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:
NR-51142 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. The item should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
NR-51142 has been reported to recognize WSP in a Luminex® microsphere-based assay.³ ⁴ Users may wish to determine an optimal concentration of antibody for their applications.

Citation:
Acknowledgment for publications should read “The following reagent was provided by the NIH/NIAD Filaria Research Reagent Resource Center for distribution by BEI Resources, NIAID, NIH: Monoclonal Anti-Wolbachia Surface Protein (Immunoglobulin G, Mouse), NR-51142.”

Biosafety Level: 1

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

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References:

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3. Lammie, P. J., Personal Communication.

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